In re Application of: Britta HARDY et al.
Serial No.: 10/577,679
Filed: April 28, 2006
Office Action Mailing Date: July 12, 2007

Examiner: NIEBAUER, Ronald T.
Group Art Unit: 1654
Attorney Docket: 31831

In the Specification:

Please amend the Paragraph beginning at **Page 31, line 4**, as follows:

To facilitate complex detection, the peptides of the present invention are highlighted preferably by a tag or an antibody. It will be appreciated that highlighting can be effected prior to, concomitant with or following complex formation, depending on the highlighting method. As used herein the term "tag" refers to a molecule, which exhibits a quantifiable activity or characteristic. A tag can be a fluorescent molecule including chemical fluorescers, such as fluorescein or polypeptide fluorescers, such as the green fluorescent protein (GFP) or related proteins (~~www~~ World Wide Web dotclontech dotcom). In such case, the tag can be quantified via its fluorescence, which is generated upon the application of a suitable excitatory light. Alternatively, a tag can be an epitope tag, a fairly unique polypeptide sequence to which a specific antibody can bind without substantially cross reacting with other cellular epitopes. Such epitope tags include a Myc tag, a Flag tag, a His tag, a leucine tag, an IgG tag, a streptavidin tag and the like.

Please amend the Paragraph beginning at **Page 55, line 8**, as follows:

This sequence was found by the eMOTIF scan software (Biochemistry, Stanford University, ~~http~~Hypertext Transfer Protocol://dna dotstanford dotedu/emotif/emotif-scan dothtml) to be shared with mouse vascular endothelial growth factor B precursor (Swiss-Prot Accession: VEGB_MOUSE), which has a very similar human homologue. The following peptide sequences YR (shared); LT and SP may belong to a different group. Interestingly these two groups of peptide were isolated under two different test conditions, while the first (VL, QF and TR) were isolated under normoxic conditions the second groups

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of peptides (YR, LT and SP) were selected under hypoxic conditions, suggesting that these two groups bind to different cellular determinants or with different affinities.